

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2004-181696

(43)Date of publication of application : 02.07.2004

(51)Int.Cl.

B41J 2/01

(21)Application number : 2002-349339

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(22)Date of filing : 02.12.2002

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## (54) RECORDER

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To record a high quality image at a high speed without causing any bleed (mixing of inks) when ink drops adhere to a plain paper.

**SOLUTION:** The recorder comprises a plurality of ink jet heads 1Y, 1M, 1C and 1K, and a carrying belt 7 (scanning mechanism) of a plain paper recording sheet 3 wherein ink drops are made to adhere to the recording sheet 3 sequentially by means of a plurality of ink jet heads. Assuming the carrying speed (scanning speed) of the recording sheet 3 is V, the times required for the recording sheet to pass through the respective intervals P1, P2 and P3 of the ink jet heads are T1, T2 and T3, and the times required for the ink made to adhere to the recording sheet by means of the plurality of ink jet heads to have a height not higher than 2  $\mu$ m after arriving at the surface of the recording sheet are t1, t2 and t3, following relations are satisfied:  $T1 \geq t1$ ,  $T2 \geq t2$  and  $T3 \geq t3$ . Consequently, the recorder can record a high quality image at a high speed.

